Journal of Atmospheric Chemistry **23** (1996).

Contents to Volume 23

Volume 23 No. 1 January 1996

DIETER H. EHHALT and BRIAN A. RIDLEY / Editorial 1–3

G. PANEGROSSI, D. FUÀ, and G. FIOCCO / A 1-D Model of the Formation and Evolution of Polar Stratospheric Clouds 5–35

NORIYUKI TANAKA, YITIAN XIAO, and ANTONIO C. LASAGA / Ab Initio Study on Carbon Kinetic Isotope Effect (KIE) in the Reaction of $CH_4 + Cl\bullet$ 37–49

C. CAMY-PEYRET, B. BERGQVIST, B. GALLE, M. CARLEER, C. CLERBAUX, R. COLIN, C. FAYT, F. GOUTAIL, M. NUNES-PINHARANDA, J. P. POMMEREAU, M. HAUSMANN, U. PLATT, I. PUNDT, T. RUDOLPH, C. HERMANS, P. C. SIMON, A. C. VANDAELE, J. M. C. PLANE, and N. SMITH / Intercomparison of Instruments for Tropospheric Measurements Using Differential Optical Absorption Spectroscopy 51–80

NANDINI KUMAR, U. C. KULSHRESTHA, A. SAXENA, P. KHARE, K. M. KUMARI, and S. S. SRIVASTAVA / Formate and Acetate Levels Compared in Monsoon and Winter Rainwater at Dayalbagh, Agra (India) 81–87

A. E. JONES, K. S. LAW, and J. A. PYLE / Subsonic Aircraft and Ozone Trends 89–105

Volume 23 No. 2 February 1996

M. RAMONET, J. C. LE ROULLEY, P. BOUSQUET and P. MONFRAY / Radon-222 Measurements During the Tropoz II Campaign and Comparison with a Global Atmospheric Transport Model 107–136

HISAYUKI YOSHIKAWA INOUE and HIDEKADZU MATSUEDA / Variations in Atmospheric CO_2 at the Meteorological Research Institute, Tsukuba, Japan 137–161

SEIZI KOGA and HIROSHI TANAKA / Simulations of Seasonal Variations of Sulfur Compounds in the Remote Marine Atmosphere 163–192

SUSANNE LEHMANN and RALF CONRAD / Characteristics of Turnover of Carbonyl Sulfide in Four Different Soils 193–207

A. E. DESSLER, K. MINSCHWANER, E. M. WEINSTOCK, E. J. HINTSA, J. G. ANDERSON, and J. M. RUSSELL, III / The Effects of Tropical Cirrus Clouds on the Abundance of Lower Stratospheric Ozone 209–220

G. P. AYERS, S. A. PENKETT, R. W. GILLETT, B. BANDY, I. E. GALBALLY, C. P. MEYER, C. M. ELSWORTH, S. T. BENTLEY and B. W. FORGAN / The Annual Cycle of Peroxides and Ozone in Marine Air at Cape Grim, Tasmania 221–252

JUTTA RUDOLPH, FRANZ ROTHFUSS and RALF CONRAD / Flux Between Soil and Atmosphere, Vertical Concentration Profiles in Soil, and Turnover of Nitric Oxide: 1. Measurements on a Model Soil Core 252–273

JUTTA RUDOLPH and RALF CONRAD / Flux Between Soil and Atmosphere, Vertical Concentration Profiles in Soil, and Turnover of Nitric Oxide: 2. Experiments with Naturally Layered Soil Cores 275–300

SVERRE SOLBERG, NORBERT SCHMIDBAUER, ARNE SEMB, FRODE STORDAL and ØYSTEIN HOV / Boundary-Layer Ozone Depletion as Seen in the Norwegian Arctic in Spring 301–332